ELSEVIER

Engineering Geology 52 (1999) 361–362

ENGINEERING GEOLOGY

Author Index Volume 52

Arustiene, J., see Paukštys, B. (52) 93
Askling, P., see Tirén, S.A. (52) 319

Bade, J. and Moss, P.
Studies and regulations in the Southwestern Illinois Karst (52) 141
Barner, W.L.
Comparison of stormwater management in a karst terrane in Springfield, Missouri — case histories (52) 105
Basnett, C., see Chang, K.-R. (52) 113
Beck, B.F. and LaMoreaux, P.E.
There is no such thing as *karstish* – an introduction (52) 1
Beck, B.F., see Stephenson, J.B. (52) 51
Bossart, P., see Thury, M. (52) 347
Butcher, D., see Forth, R.A. (52) 67

Chang, K.-R. and Basnett, C.
Delineation of sinkhole boundary using Dutch cone soundings (52) 113
Cooper, A.H., see Paukštys, B. (52) 93
Couples, G.D., see McKeown, C. (52) 231
Currens, J.C.
A sampling plan for conduit-flow karst springs: minimizing sampling cost and maximizing statistical utility (52) 121

Drake, C.W., see Dufresne, D.P. (52) 129
Dufresne, D.P. and Drake, C.W.
Regional groundwater flow model construction and wellfield site selection in a karst area, Lake City, Florida (52) 129

Ericsson, L.O.
Geoscientific R&D for high level radioactive waste disposal in Sweden — current status and future plans (52) 305

Fels, J.B.
Source-identification investigations of petroleum contaminated groundwater in the Missouri Ozarks (52) 3
Fischer, J.A.
Limestone ordinances of New Jersey and Pennsylvania: a practitioner's experiences (52) 61
Forth, R.A., Butcher, D. and Senior, R.
Hazard mapping of karst along the coast of the Algarve, Portugal (52) 67
Fyfe, W.S.
Nuclear waste isolation: an urgent international responsibility (52) 159

Gongyu, L. and Wanfang, Z.
Sinkholes in karst mining areas in China and some methods of prevention (52) 45
Grambow, B., see Kim, J.I. (52) 221
Green, T.S., see Stephenson, J.B. (52) 51

Hampel, A., see Hunsche, U. (52) 271
Haszeldine, R.S., see McKeown, C. (52) 231
Hunsche, U. and Hampel, A.
Rock salt — the mechanical properties of the host rock material for a radioactive waste repository (52) 271

Kannan, R.C.
Designing foundations around sinkholes (52) 75
Karlsson, F., see Smellie, J.A T. (52) 193
Kaufmann, O. and Quinif, Y.
Cover-collapse sinkholes in the "Tournaisis" area, southern Belgium (52) 15
Kim, J.I. and Grambow, B.
Geochemical assessement of actinide isolation in a German salt repository environment (52) 221
Kopera, J.R., see Leydecker, G. (52) 293

LaMoreaux, P.E., see Beck, B.F. (52) 1
Langer, M.
Principles of geomechanical safety assessment for radioactive waste disposal in salt structures (52) 257
Lebon, P. and Mouroux, B.
Knowledge of the three French underground laboratory sites (52) 251
Leydecker, G. and Kopera, J.R.
Seismological hazard assessment for a site in Northern Germany, an area of low seismicity (52) 293

Matzat, J.W., see Walker, S.E. (52) 35
McKeown, C., Haszeldine, R.S. and Couples, G.D.
Mathematical modelling of groundwater flow at Sellafield, UK (52) 231
Memon, B.A., Patton, A.F. and Pitts, M.W.
Control of naturally occurring brine springs and seeps in an evaporite karst setting (52) 83
Moss, P., see Bade, J. (52) 141
Mouroux, B., see Lebon, P. (52) 251

Patton, A.F., see Memon, B.A. (52) 83
Paukštys, B., Cooper, A.H. and Arustiene, J.
Planning for gypsum geohazards in Lithuania and England (52) 93

0013-7952/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0013-7952(99)00047-2

Pedersen, K.
Subterranean microorganisms and radioactive waste disposal in Sweden (52) 163
Pitts, M.W., see Memon, B.A. (52) 83

Quinif, Y., see Kaufmann, O. (52) 15

Roth, M.J.S., see Thomas, B. (52) 147

Senior, R., see Forth, R.A. (52) 67
Smellie, J.A T. and Karlsson, F.
The use of natural analogues to assess radionuclide transport (52) 193
Stephenson, J.B., Zhou, W.F., Beck, B.F. and Green, T.S.
Highway stormwater runoff in karst areas — preliminary results of baseline monitoring and design of a treatment system for a sinkhole in Knoxville, Tennessee (52) 51

Talbot, C.J.
Ice ages and nuclear waste isolation (52) 177
Tharp, T.M.
Mechanics of upward propagation of cover-collapse sinkholes (52) 23
Thomas, B. and Roth, M.J.S.
Evaluation of site characterization methods for sinkholes in Pennsylvania and New Jersey (52) 147
Thury, M. and Bossart, P.
The Mont Terri rock laboratory, a new international research project in a Mesozoic shale formation, in Switzerland (52) 347
Tirén, S.A., Askling, P. and Wänstedt, S.
Geologic site characterization for deep nuclear waste disposal in fractured rock based on 3D data visualization (52) 319

Walker, S.E. and Matzat, J.W.
Planning the replacement of the Beards Creek bridge (52) 35
Wanfang, Z., see Gongyu, L. (52) 45
Wänstedt, S., see Tirén, S.A. (52) 319

Zhou, W.F., see Stephenson, J.B. (52) 51

ELSEVIER

Engineering Geology 52 (1999) 363–364

ENGINEERING GEOLOGY

Subject Index Volume 52

Agricultural runoff, (52) 121
Äspö Hard Rock Laboratory (HRL), (52) 305

Bacteria, (52) 163
Bentonite, (52) 163
Bridge design, (52) 35
Brine springs, (52) 83
BTEX, (52) 3

Carbonate rock, (52) 61
China, (52) 45
Climate change, (52) 159
Coast, (52) 67
Colloids, (52) 221
Creep, (52) 271

Deep geological disposal site screening, (52) 251
Deformation mechanisms, (52) 271
Dilatancy, (52) 271
3D Modelling, (52) 319
Dutch cone sounding, (52) 113
Dye trace, (52) 3

Electrical resistivity, (52) 15
Emission, (52) 83
Estimating, (52) 75
Evaporites, (52) 83

Failure, (52) 271
Finite element, (52) 23
Finite element modelling, (52) 231
Florida, (52) 75
Floridan aquifer, (52) 129
Foundations, (52) 75
Foundation stabilization, (52) 35
Fractured rock systems, (52) 319

Gas, (52) 163
Geochemical modelling, (52) 221
Geoengineering, (52) 257
Geological disposal, (52) 305
Geological properties, (52) 319
Geophysical tests, (52) 75
Geotechnical engineering, (52) 35, (52) 61
Glacial incisions, (52) 177
Groundwater, (52) 15, (52) 121, (52) 141
Groundwater contamination, (52) 51
Groundwater flow, (52) 231
Gypsum karst, (52) 93

Hazard, (52) 93
Hazard map, (52) 67
Highway stormwater drainage, (52) 51
Hydraulic lift, (52) 177
Hydrochemistry, (52) 347
Hydrogen, (52) 163
Hydrogeology, (52) 3, (52) 347

Illinois, (52) 141
Impermeable mud rocks, (52) 159
International responsibility, (52) 159

Karst, (52) 23, (52) 45, (52) 51, (52) 67, (52) 121, (52) 129, (52) 141, (52) 147
Karst areas, (52) 105

Land subsidence, (52) 35
Lateral displacements, (52) 35

Mapping, (52) 67
Methanogens, (52) 163
Mining, (52) 45
MODFLOW, (52) 129
Municipal ordinances, (52) 61

Natural analogues, (52) 193
New Jersey, (52) 147
Northern Germany, (52) 293
Nuclear waste, (52) 159, (52) 177, (52) 221
Nuclear waste disposal, (52) 305
Nuclear waste repository, (52) 293, (52) 319
Nuclear wastes, (52) 251

Opalinus Clay, (52) 347

Paleokarst, (52) 15
Pennsylvania, (52) 147
Permeability, (52) 271
Planning, (52) 93
Pore pressure, (52) 23
Power plant, (52) 113

0013-7952/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0013-7952(99)00048-4

Radioactive wastes, (52) 193, (52) 231, (52) 257
Radionuclide retardation, (52) 193
Radionuclides, (52) 221
Radionuclide transport, (52) 193
Redox, (52) 163
Regulations, (52) 141
Remote sensing, (52) 319
Repository materials, (52) 193
Response spectra, (52) 293
Rock laboratory, (52) 347
Rock mechanics, (52) 347
Rock permeability, (52) 177
Rock properties, (52) 251

Salt, (52) 221, (52) 271
Salt flats, (52) 83
Salt mine, (52) 35
Seabed, (52) 159
Seismic hazard assessment, (52) 293
Seismicity, (52) 293
Seismic load assumptions, (52) 293
Settlement predictions, (52) 35
Shale, (52) 347
Sinkhole flooding, (52) 105
Sinkhole ordinance, (52) 105
Sinkholes, (52) 15, (52) 23, (52) 35, (52) 45, (52) 51, (52) 67, (52) 75, (52) 105, (52) 113, (52) 147
Site characterization, (52) 3, (52) 147
Site qualifications, (52) 257
Solution/collapse features, (52) 83
Sorption, (52) 221
Springs, (52) 121
Standard Penetration Test boring, (52) 113
Stormwater management, (52) 105
Stormwater runoff treatment, (52) 51
Stream hydrolics, (52) 35
Stresses, (52) 177
Subsidence, (52) 93
Surface investigations, (52) 251
Svensk Kärnbränslehantering AB (SKB), (52) 305

Visualization, (52) 319

Water sampling, (52) 121